

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

JONG-SEO CHOI et al.

Serial No.:

to be assigned

Examiner:

to be assigned

Filed:

28 September 2001

Art Unit:

to be assigned

For:

CATHODE FOR ELECTRON TUBE AND METHOD OF PREPARING THE

CATHODE

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, provides copies and discusses the following art references:

•	<u>US Patent No.</u> 5,592,043	Inventor Gärtner et al.	<u>Date</u> 1/97
•	Foreign Patent No. KR1993-0011964 JP3-257735 JP8-50849 EP0685868 A1 JP6-28968 EP0560436 A1	Inventor Saito et al. Saito et al. Narita et al. Narita et al. Gärtner et al. Gärtner et al.	Date 12/93 *equivalent to JP3-257735 11/91 *equivalent to KR1993-0011964 2/96 *equivalent to EP0685868 A1 12/95 *equivalent to JP8-50849 2/94 *equivalent to EP0560436 A1 9/93 *equivalent to JP6-28968

Other reference

"Progress on the Percolation Cathode", by Hodgson et al., in IDW '99 Proceedings of the Sixth International Display Workshops CRT6-4 (Late-News Paper), page 1111-1112

Gärtner et al. '043 discloses cathode including a solid body.

Saito et al.'964 discloses cathode for electron tube to enable actions under high current density which is equal to or more than 2 A/cm² by forming a specified metallic layer on a substrate, and thereby forming a specified electron emissive material layer so as to be adhered.

Saito et al.'735 discloses cathode for electron tube to enable actions under high current density which is equal to or more than 2 A/cm² by forming a specified metallic layer on a substrate, and thereby forming a specified electron emissive material layer so as to be adhered.

Narita et al.'849 discloses cathode member and electronic tube using it, to provide a cathode which improves the distribution of emitted electrons in low operation temperature and emits an emission current in high density stably for a long period by making the cathode out of cathode member which contains Ni, metal having reductive action and an electron emitting agent and is processed into a mirror face after unification.

Narita et al.'868 discloses cathode member and electron tube having the cathode member mounted thereon.

Gärtner et al.'968 discloses cathode containing solid with which a high discharge current density and a long lifetime are obtained even at a low service temperature.

Gärtner et al.'436 discloses cathode having a solid element which contains metallic components and oxidic components.

The article "Progress on the Percolation Cathode" discloses an oxide cathode having a percolation path made by adding 2.5 to 5% by volume of needle-shaped nickel grains to an electron-emitting material layer.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-

ranging and thorough search of the relative arts.

No fee is incurred by this Statement.

Respectfully submitted,

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